

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No.	Serial No.
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		00-1086-G	10/633,878	
		Applicant: Letsinger, et al.		
		Filing Date:	Group: 1637	
		08/04/03	1045	

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

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TS	1.	Brada, et al., "Golden Blot" – Detection of Polyclonal and Monoclonal Antibodies Bound to Antigens on Nitrocellulose by Protein A-Gold Complexes, <i>Analytical Biochemistry</i> , Vol. 42, pp. 79-83 (1984) U.S.
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	4.	Ranki, et al., Sandwich hybridization as a convenient method for the detection of nucleic acids in crude samples, <i>Gene</i> , Vol. 21, pp. 77-85 (1983) U.S.
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(Rev. 2-32)U.S. Department of Commerce
Patent and Trademark OfficeINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

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10/633,878

Applicant:

Letsinger, et al.

Filing Date: 1637
08/04/03 4645

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TS	2.	6,025,202	02/15/00	Natan			
TS	3.	6,149,868	11/21/00	Natan, et al.			

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U.S. DEPARTMENT OF COMMERCE

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	2.	5,284,748	02/22/94	Engelhardt, et al.			
	3.	5,360,895	11/01/94	Hainfield, et al.			
	4.	5,384,265	01/24/95	Kidwell, et al.			
	5.	5,472,881	12/05/95	Beebe, et al.			
	6.	5,599,668	02/04/97	Stimpson, et al.			
	7.	5,637,508	06/10/97	Kidwell, et al.			
	8.	5,751,018	05/12/98	Alivisatos, et al.			
↓	9.	5,939,021	08/17/99	Hansen, et al.			
TS	10.	5,990,479	11/23/99	Weiss, et al.			

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TS	11.	WO 93/10564	27 May 93	PCT			
↓	12.	WO 98/10289	12 March 98	PCT			
↓	13.	WO 99/23258	14 May 99	PCT			
TS	14.	WO 99/21934	06 May 99	PCT			
TS	15.	WO 99/20789	29 April 99	PCT			

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TS	16.	O.D. Velev, et al., "In Situ Assembly of Collardal Particles into Miniaturized Biosensors," <i>Langmuir</i> , Vol. 15, No. 11, pp. 3693-3698, May 25, 1999
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	2.	5,900,481	05/04/99	Lough, et al.	536	55.3	11/06/96
	3.	6,203,989	03/20/01	Goldberg, et al	435	6	03/25/99
	4.	6,251,303	06/26/01	Bawendi, et al.	252	301.4R	09/18/98
	5.	6,277,489	08/21/01	Abbott, et al.	428	403	12/04/98
	6.	6,306,610	10/23/01	Bawendi, et al.	435	7.1	09/17/99
	7.	6,361,944	03/26/02	Mirkin, et al.	435	6	06/25/99
▼	8.	6,365,418	04/02/02	Wagner, et al.	436	518	05/18/00
TS	9.	6,417,340	07/09/02	Mirkin, et al.	536	23.1	10/20/00

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TS	10.	WO 93/25709	23 December 1993	PCT			
	11.	WO 98/04740	5 February 1998	PCT			
	12.	WO 98/17317	30 April 1998	PCT			
	13.	WO 99/60169	25 November 1999	PCT			
▼	14.	WO 00/33079	8 June 2000	PCT			
TS	15.	WO 01/00876	4 January 2001	PCT			

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TS	16.	WO 01/51665	19 July 2001	PCT			
	17.	WO 01/73123	4 October 2001	PCT			
	18.	WO 01/86301	15 November 2001	PCT			
	19.	WO 02/04681	17 January 2002	PCT			
	20.	WO 02/18643	7 March 2002	PCT			
	21.	WO 02/36169	10 May 2002	PCT			
↓	22.	WO 02/46483	13 June 2002	PCT			
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TS	25.	Letsinger, R., et al., "Use of a Steroid Cyclic Disulfide Anchor in Constructing Gold Nanoparticle—Oligonucleotide Conjugates," <i>Bioconjugate Chem</i> , p. 289-291 (2000)

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TS	29.	Wuelfing, P., et al., "Nanometer Gold Clusters Protected by Surface-Bound Monolayers of Thiolated Poly(ethylene glycol) Polymer Electrolyte," <i>J. Am Chem. Soc.</i> , Volume 120, p. 12696-12697 (1998)

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
	1.	WO 92/04460	10 March 1992	PCT			X
TS	2.	WO 90/02205	8 March 1990	PCT			X

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	3.	4,261,968	4/14/81	Ullman et al.			
	4.	4,313,734	2/2/82	Leuvering			
	5.	4,318,707	3/9/82	Litman et al.			
	6.	4,650,770	3/17/87	Liu et al.			
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	8.	4,853,335	8/1/89	Olsen et al.			
	9.	4,868,104	9/19/89	Kurn et al.			
	10.	5,225,064	7/6/93	Henkens et al.			
▼	11.	5,294,369	3/15/94	Shigekawa et al.			
TS	12.	5,384,073	1/24/95	Shigekawa et al.			
—	13.	5,384,265	1/24/95	Kidwell et al.			
TS	14.	5,460,831	10/24/95	Kossovsky et al.			
—	15.	5,472,881	12/5/95	Beobe et al.			
TS	16.	5,514,602	05/07/96	Brooks, Jr. et al.			
↓	17.	5,521,289	5/28/96	Hainfeld et al.			
	18.	5,543,158	8/6/96	Gref et al.			
	19.	5,571,726	11/05/96	Brooks, Jr. et al.			
▼	20.	5,665,582	9/9/97	Kausch et al.			
TS	21.	5,681,943	10/28/97	Letsinger et al.			

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TS	23.	WO 97/40181	10/30/97	PCT			
TS	24.	WO 98/04740	2/5/98	PCT			
	25.	WO 99/23258	10/30/98	PCT			
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TS	27.	0 667 398 A2	8/16/95	EPO			

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	55.	Thein et al., "The use of synthetic oligonucleotides as specific hybridization probes in the diagnosis of genetic disorders," 2 nd Ed., K.E. Davies, Ed., Oxford University Press, Oxford, New York, Tokyo, p. 21-33 (1993)
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	57.	Wang et al., "A DNA Aptamer Which Binds to and Inhibits Thrombin Exhibits a New Structural Motif for DNA," <i>Biochem.</i> , Vol. 32, pp. 1899-1904 (1993)
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3.	5,990,479	11/23/99	Weiss, et al.			

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TS	4. WO 92/04469	3/19/92	PCT				

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TS	10.	Zhu, et al., "The First Raman Spectrum of an Organic Monolayer on a High-Temperature Superconductor: Direct Spectroscopic Evidence for a Chemical Interaction between an Amine and $Yba_2Cu_3O_{7-\delta}$," <i>J. Am. Chem. Soc.</i> , Vol. 119, pp. 235-236, American Chemical Society (1997) U.S.
TS	11.	Yguerabide, et al., "Light-Scattering Submicroscopic Particles as Highly Fluorescent Analogs and Their Use as Tracer Labels in Clinical and Biological Applications," I. Theory, <i>Analytical Biochemistry</i> , Vol. 262, pp. 137-156 (1998) U.S.
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FORM PTO-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 00-1086-G	Serial No. 10/633,878
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				
(Use several sheets if necessary)				
		Applicant: Letsinger, et al.		
		Filing Date: August 4, 2003		Group: 1637 4645

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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
TS	1.	4,996,143	02/26/91	Heller, et al.	435	6	04/13/90
	2.	5,508,164	04/16/96	Kausch, et al.	435	6	10/29/93
	3.	5,922,537	07/13/99	Ewart, et al.	435	6	11/8/96
	4.	5,972,615	10/26/99	An, et al.	435	6	01/21/98
↓	5.	6,264,825	07/24/01	Blackburn, et al.	205	777.5	06/23/99
TS	6.	6,214,560	04/10/01	Yguerabide, et al.	435	7.1	04/18/97

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TS	7.	WO 94/29484	12/22/94	PCT	—	—	
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TS	9.	Mohanty J., et al. "Pulsed laser excitation of phosphate stabilized silver nanoparticles," <i>Proc. Indian Acad. Sci.</i> , Vol. 112, No. 1, p. 63-72.
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TS	11.	Whitesides G.M., et al., "Soft Lithography in Biology and Biochemistry," <i>Annu. Rev. Biomed. Eng.</i> , p. 335-373 (2001)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant: Letsinger, et al.	
		Filing Date: August 4, 2003	Group: 5235-1637

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	58.	WO 2003/087188 A1	10/23/03	PCT			
↓	59.	WO 2003/095973 A2	11/20/03	PCT			
TS	60.	WO 2004/004647 A3	01/31/04	PCT			
TS	61.	WO 2004/053105 A2	06/24/04	PCT			

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